

IN THE CLAIMS

Please cancel claims 35, 42, and 47, without prejudice.

Please amend claims 34, 45, and 48-50 to read as follows:

G1 34. (amended) The gene expression library of claim 27, 28, or 29 wherein at least one of the cDNA or genomic DNA fragments comprises nucleotide sequences that encode for proteins or fragments thereof that are involved in polyketide biosynthesis.

G2 45. (amended) The biased combinatorial gene expression library of claim 44 wherein some of the cDNA or genomic DNA fragments are preselected by hybridization of the cDNA or genomic fragments to nucleic acid probes comprising nucleotide sequences that encode for proteins or fragments thereof that are involved in polyketide biosynthesis.

G3 48. (amended) The biased combinatorial gene expression library of claim 44 wherein some of the cDNA or genomic DNA fragments are preselected by hybridization of the cDNA or genomic DNA fragments to nucleic acid probes comprising nucleotide sequences that encode for proteins or fragments thereof that are involved in the biosynthesis of erythromycin, actinorhodin, thiostrepton, virginiamycin, valinomycin, or actinomycin.

 49. (amended) The biased combinatorial gene expression library of claim 44, 46, or 48 wherein the expression constructs are contained in host cells.

 50. (amended) The biased combinatorial gene expression library of claim 44, 46, or 48 wherein the expression constructs comprise a plasmid vector, a phage vector, a viral vector, a cosmid vector, or an artificial chromosome.

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Please add the following new claims:

--51. (new) The gene expression library of claim 27, 28, or 29 wherein at least one of the cDNA or genomic DNA fragments comprises nucleotide sequences that encode for proteins or fragments thereof that are involved in peptide biosynthesis.

52. (new) The gene expression library of claim 27, 28, or 29 wherein at least one of the cDNA or genomic DNA fragments comprises nucleotide sequences that encode for proteins or fragments thereof that are involved in glycoside biosynthesis.

53. (new) The gene expression library of claim 27, 28, or 29 wherein at least one of the cDNA or genomic DNA fragments comprises nucleotide sequences that encode for proteins or fragments thereof that are involved in aminoglycoside biosynthesis.

54. (new) The gene expression library of claim 51 wherein the expression constructs are contained in host cells.

55. (new) The gene expression library of claim 52 wherein the expression constructs are contained in host cells.

56. (new) The gene expression library of claim 53 wherein the expression constructs are contained in host cells.

57. (new) The biased combinatorial gene expression library of claim 44 wherein some of the cDNA or genomic DNA fragments are preselected by hybridization of the cDNA or genomic fragments to nucleic acid probes comprising nucleotide sequences that encode for proteins or fragments thereof that are involved in peptide biosynthesis.

58. (new) The biased combinatorial gene expression library of claim 44 wherein some of the cDNA or genomic DNA fragments are preselected by hybridization of the cDNA or genomic fragments to nucleic acid probes comprising nucleotide sequences that encode for proteins or fragments thereof that are involved in glycoside biosynthesis.

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contd

59. (new) The biased combinatorial gene expression library of claim 44 wherein some of the cDNA or genomic DNA fragments are preselected by hybridization of the cDNA or genomic fragments to nucleic acid probes comprising nucleotide sequences that encode for proteins or fragments thereof that are involved in aminoglycoside biosynthesis.

60. (new) ~~The biased combinatorial gene expression library of claim 44 wherein some of the cDNA or genomic DNA fragments are preselected by hybridization of the cDNA or genomic DNA fragments to nucleic acid probes comprising nucleotide sequences that encode for proteins or fragments thereof that are involved in the biosynthesis of tetracycline, oxytetracycline, puromycin, doxorubicin, taxol, chloramphenicol, nalidixic acid, mithramycin, novobiocin, vulpinic acid, usnic acid, kainic acid, podophyllotoxin, brevitolin, camptothecin, or artemisinin.~~

61. (new) The biased combinatorial gene expression library of claim 45 wherein the expression constructs are contained in host cells.

62. (new) The biased combinatorial gene expression library of claim 57 wherein the expression constructs are contained in host cells.

63. (new) The biased combinatorial gene expression library of claim 58 wherein the expression constructs are contained in host cells.

64. (new) The biased combinatorial gene expression library of claim 59 wherein the expression constructs are contained in host cells.

65. (new) ~~The biased combinatorial gene expression library of claim 60 wherein the expression constructs are contained in host cells.~~

66. (new) The biased combinatorial gene expression library of claim 45 wherein the expression constructs comprise a plasmid vector, a phage vector, a viral vector, a cosmid vector, or an artificial chromosome.